

SEQUENCE LISTING

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<120> A GENE ENCODING PHOSPHOENOLPYRUVATE SYNTHASE FOR PLANT PROTECTION  
 (AS AMENDED)

<130> 606932000100

<140> US 10/581,099  
 <141> 2004-12-01

<150> PCT/CN2004/001386  
 <151> 2004-12-01

<150> CH200310116875.X  
 <151> 2003-12-01

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<170> PatentIn version 3.1

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| Leu | Asn | Glu | Asn | Ile | Leu | Trp | Leu | His | Glu | Leu | Arg | Leu | Val | Asp | Leu |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     | 15  |     |     |
| Ala | Arg | Val | Gly | Gly | Lys | Asn | Ser | Ser | Leu | Gly | Glu | Met | Ile | Gly | Asn |
|     |     |     |     |     | 20  |     |     |     | 25  |     |     |     | 30  |     |     |
| Leu | Ala | Gly | Leu | Gly | Val | Ser | Val | Pro | Gly | Gly | Tyr | Ala | Thr | Thr | Ala |
|     |     |     |     |     | 35  |     |     | 40  |     |     | 45  |     |     |     |     |
| Glu | Ala | Phe | Lys | Asp | Phe | Ile | Ala | His | Asn | Asp | Leu | Ser | Lys | Arg | Ile |
|     |     |     |     | 50  |     |     | 55  |     |     | 60  |     |     |     |     |     |
| Phe | Asp | Lys | Leu | Glu | Thr | Leu | Asp | Val | Glu | Asp | Val | Thr | Ala | Leu | Thr |
|     |     |     |     |     | 65  |     | 70  |     | 75  |     |     |     | 80  |     |     |
| Val | Ala | Gly | Lys | Glu | Ile | Arg | Gly | Trp | Val | Ile | Asp | Ala | Pro | Leu | Gln |
|     |     |     |     |     | 85  |     |     | 90  |     |     |     |     | 95  |     |     |
| Pro | Glu | Leu | Asp | Arg | Asp | Ile | Arg | Ser | Ala | Tyr | Glu | Lys | Leu | Cys | Ala |
|     |     |     |     |     | 100 |     | 105 |     |     |     |     |     | 110 |     |     |
| Glu | Asn | Gly | Gly | Glu | Val | Ala | Val | Ala | Val | Arg | Ser | Ser | Ala | Thr |     |
|     |     |     |     |     | 115 |     | 120 |     |     | 125 |     |     |     |     |     |
| Ala | Glu | Asp | Leu | Pro | Asp | Ala | Ser | Phe | Ala | Gly | Gln | Gln | Glu | Thr | Phe |
|     |     |     |     |     | 130 |     | 135 |     |     | 140 |     |     |     |     |     |
| Leu | Asn | Val | Thr | Gly | Ala | Asp | Asp | Val | Val | His | Lys | Val | Lys | Glu | Val |
|     |     |     |     |     | 145 |     | 150 |     |     | 155 |     |     | 160 |     |     |
| Phe | Ala | Ser | Leu | Tyr | Asn | Asp | Arg | Ala | Ile | Ala | Tyr | Arg | Val | His | His |
|     |     |     |     |     | 165 |     |     | 170 |     |     | 175 |     |     |     |     |
| Gly | Phe | Lys | His | Glu | Asp | Val | Phe | Leu | Ser | Ala | Gly | Val | Gln | Leu | Met |
|     |     |     |     |     | 180 |     | 185 |     |     |     |     | 190 |     |     |     |
| Val | Arg | Ser | Gly | Val | Gly | Ser | Ser | Gly | Val | Leu | Phe | Thr | Leu | Asp | Thr |
|     |     |     |     |     | 195 |     | 200 |     |     |     | 205 |     |     |     |     |
| Glu | Ser | Gly | Phe | Arg | Asp | Val | Val | Phe | Val | Thr | Ser | Ser | Phe | Gly | Leu |
|     |     |     |     |     | 210 |     | 215 |     |     | 220 |     |     |     |     |     |
| Gly | Glu | Met | Val | Val | Gln | Gly | Ala | Val | Asn | Pro | Asp | Glu | Phe | Tyr | Val |
|     |     |     |     |     | 225 |     | 230 |     |     | 235 |     |     | 240 |     |     |
| Tyr | Lys | Pro | Thr | Leu | Thr | Ala | Gly | Lys | Pro | Ala | Ile | Leu | Arg | Arg | Ser |
|     |     |     |     |     | 245 |     |     | 250 |     |     | 255 |     |     |     |     |
| Leu | Gly | Ser | Lys | Ala | Ile | Arg | Met | Val | Tyr | Ser | Asp | Val | Pro | Gly | Glu |
|     |     |     |     |     | 260 |     | 265 |     |     | 270 |     |     |     |     |     |

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 Glu Lys His Tyr Gly Arg Pro Met Asp Ile Glu Trp Ala Lys Asp Gly  
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 Ser Arg Ser His Ala Thr Gln Ile Glu Arg Phe Ser Leu Glu Ala Lys  
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 385 390 395 400  
 Pro Val Met Lys Arg Ala Ser Ala Ile Val Thr Asn Arg Gly Arg  
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 Thr Cys His Ala Ala Ile Ile Ala Arg Glu Leu Gly Val Pro Ala Val  
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 Val Gly Ser Gly Asn Ala Thr Asp Val Ile Ser Asp Gly Gln Glu Val  
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 Thr Val Ser Cys Ala Glu Gly Asp Thr Gly Phe Ile Tyr Glu Gly Leu  
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 Pro Leu Lys Ile Met Met Asn Val Ala Asn Pro Glu Arg Ala Phe Asp  
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 Phe Gly Gln Leu Pro Asn Ala Gly Ile Gly Leu Ala Arg Leu Glu Met  
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 Asp Lys Gln Asp Ala Asp Val Arg Lys Lys Ile Asp Ala Lys Ile Ala  
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 Arg Tyr Glu Pro His Glu Glu Asn Pro Met Ile Gly Phe Arg Gly Ala  
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 Ser Arg Tyr Val Asp Pro Ser Phe Thr Lys Ala Phe Ser Leu Glu Cys  
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